STOP

Carbon Copy

BOYAN

Close-Up

BLAST

CO/Session™

BitCom

CROSSTALK

U.S. Robotics®

The Intelligent Choice in Data Communications

MIRROR III

TELIX

pcANYWHERE IV

TAPCIS

PROCOMM PLUS

RelayGold

QMODEM

DON'T INSTALL YOUR SOFTWARE OR MODEM UNTIL YOU READ THIS!

< < < SPORTSTER MODEMS > > >

Most problems in getting started with a modem can be solved by properly setting up the communications software. That's why we've assembled these tips on using the most popular software packages.

Look over this short introduction first. Then, if your software is included in the following listing (packages are in alphabetical order), review the tips provided. Next, follow the modem installation instructions in the modem manual.

NOTE: If you have a problem with your software, you may need to call your software company's technical support department. We've included information for reaching each software company listed.

About Communications Software

1. Some operating parameters depend on **how you have first set your software**:

- The rate of the transmission over the modem/computer serial port. Depending on your modem, that rate can range from 110 bits per second (bps) to as high as 38,400 bps.
- The length of each character (called *word length*), either 7 or 8 bits, and whether Even, Odd or no parity is used. Most common are 7/Even and 8/None.
- The number of Stop bits used, usually 1.

When the modem receives the AT characters from your computer, it detects their speed, word length, parity and number of Stop bits, and adopts those parameters.

NOTE: To exchange data successfully, two modems must also use the same word length, parity, and number of Stop bits. You'll have to find out what the modem at your call's destination requires.

2. **Terminal Mode.** This is the computer mode that allows you to directly command the modem. When possible, we've provided instructions for entering Terminal Mode with a particular software package.

3. **Autoconfiguration.** Some programs allow you to select and automatically configure the correct USRobotics modem from a menu. But it takes time for software companies to

catch up with new products. If you don't find your new modem on the menu, try the following.

You have:	Try this:
Sportster 2400	Courier 2400 MNP/V42, Courier HST
Sportster 9600 or 14,400	Courier V.32, Courier V.32 *bis*

If none of these options are available, put the computer in Terminal Mode and send the modem the listed configuration string.

4. **Modem Configuration String.** As an alternative to autoconfiguration, or as a means of optimizing performance, this string configures the modem. In some cases, the configuration string also saves the settings to nonvolatile memory as a default. The configuration string is based on the AT command set described in the modem manual.

5. **Data Rate Features.** Most programs use the term *baud* to mean rate in bits per second, as in *9600 baud*. The term *autobaud* means that the software and modem automatically change their serial port rates to match the rate at which the modems connect. Depending on your modem, the possible range is from 110 bps to 14,400 bps.

   In general, USRobotics modems connect at the highest possible speed, depending on the remote modem's capabilities.

   USRobotics error-control modems (V.42/MNP) switch down to connect over the phone line, but still can lock in a higher rate at the serial port, for better overall efficiency (&B1 setting). However, this requires that the software's serial port rate also be locked, rather than set for autobaud as explained above. We've listed information on this feature for each program that supports it.

6. **Dialing Directories.** Most programs allow you to save the names, phone numbers, and the correct software or modem parameters required for specific connections. Later, when you select an entry in the directory, the software automatically performs the necessary configuration and dials the number for you.

About the Modem

1. **DIP Switches.** The first thing to do with your modem is to set the 8 DIP switches (located either in the base or back of the modem) according to your software requirements. You'll find a simple illustration for each program with the recommended switch positions.

2. **High Performance.** You'll get top-notch performance from the modem if your communications software supports hardware flow control (Request to Send/Clear to Send, or RTS/CTS), and allows you to lock in the modem's serial port rate. Check the listings for your software to see if these features are available.

   The AT commands &H1 and &R2 set the modem for hardware flow control, and &B1 sets the modem to maintain a higher rate at the serial port than the rate on the phone line. If you can't use hardware flow control, you'll have to use software flow control—check the modem manual later.

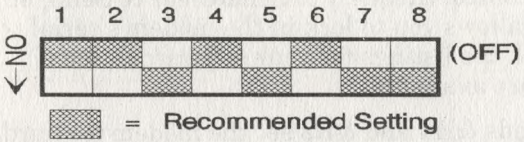
   NOTE: The &R2 command requires the RS indicator on the front panel of the modem to be on. Power on the modem and start your software. If the RS indicator is off, the modem isn't getting a Request to Send signal. If we've listed the software as supporting RTS, either your computer or terminal doesn't support RTS, or you may have a problem with your cable.

BITCOM, VERSION 3.5

Bit Software
47987 Fremont Boulevard
Fremont, California 94538

Support: 408-263-2197

DIP Switch Settings



Flow Control: Not Supported

PC COM Ports: COM1–COM4

Terminal Emulation: VT100, ANSI, IBM 3101

File Transfer Protocols: ASCII, Kermit, Xmodem

Feature Notes

No Remote/Host Mode operation; no Terminal Mode

Startup Tips

Bitcom is a simple dialer program. We recommend leaving DIP switch 7 down and letting the modem function with factory settings.

1. Load and run the program.
2. Select the Change Configuration option. Check that the COM port is the one to which your modem is connected.

   NOTE: Bitcom does not allow you to turn off the Autobaud Detect function.
3. To set up a call, choose the Select/Edit Phone Numbers option from the Main Menu. Press F10 to add a directory entry, and specify the phone number and connection information.

Terminal Mode

There is no specific option within Bitcom to put the computer in Terminal Mode. If you want to send commands directly to the modem, follow this procedure.

1. Choose the Select/Edit Phone Numbers option from the Main Menu.
2. Press F10 to add a record.
3. Fill in connection information, but leave the phone number field blank. Save the record.

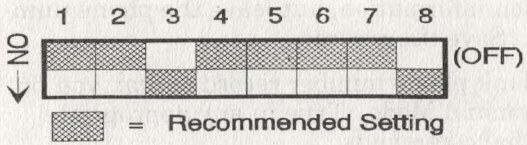
By selecting the blank phone number record to dial, you put the program in Terminal Mode. Type in any appropriate initialization and dial commands.

BLAST, VERSION 10.5.1

U.S. Robotics, Inc.
8100 North McCormick Boulevard
Skokie, Illinois 60076-2999

Support: 800-982-5151
BBS: 708-933-5554
FAX: 708-933-5552

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Autoconfigure: Most USRobotics modems

PC COM Ports: COM1–COM4

Terminal Emulation: Over 30, including the most common

File Transfer Protocols: Kermit, Proprietary Blast protocol, Xmodem, Ymodem, Ymodem-G, Zmodem

Feature Notes

Definable security levels

Startup Tips

1. Follow the prompts in the easy BINSTALL program. You will be asked in what directory (or directories) you want to save the groups of files.
   - Blast program and support programs
   - Blast help, script and setup files
2. You are then prompted to set up the following parameters.
   - Color selection
   - Modem script choice
   - Baud rate (specify the highest serial port rate your hardware supports)

- COM port (select the serial port to which your modem is connected)
- Terminal emulator (PC ANSI is the format for PC-to-PC and most BBS communications)

If you've already installed Blast, or if you complete the installation and decide to change any of these parameters, you can edit them by typing BINSTALL CUSTOM from the prompt of the directory where you have copied the files.

3. Start the program by typing BLAST. You can choose to view introductory information, or just press the ESC key to bring up the Offline menu.
4. Highlight the Select option and press Enter. A prompt appears to "Enter setup name to load."
5. Press Enter again. A list of options appears.
6. Highlight the Default option and press Enter. The Default Setup options screen appears, with the parameters for the USRobotics modem you selected when you installed the software.
7. Select the Modify option at the top of the screen so that you can edit the Default Setup. A cursor appears in the first field on the screen.
8. Move down to the XON/XOFF Pacing field. Highlight the word YES, and press the Space bar. The field toggles to NO.
9. Then move to the RTS/CTS Pacing field. Highlight the word NO, and press the Space bar. The field toggles to YES.
10. Press Enter to go on to the Online menu and make a call with this setup, or press ESC to exit the program.

Terminal Mode

Follow this procedure to communicate directly with the modem.

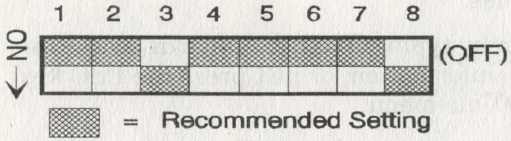
1. From the Main Menu, select Online.
2. In the next menu, select Connect.
3. In the next menu, select Terminal. The computer is now in Terminal Mode.
4. To exit, press CTRL-K-K.

BOYAN, VERSION 4.0

Justin Boyan
9458 Two Hills Court
Columbia, Maryland 21045-3228

BBS: 919-682-4225

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Autoconfigure: Use the Courier HST setting for 2400 bps modems; select Courier V.32 for higher speed modems

Modem Configuration String: AT&B1&H1&R2&W

PC COM Ports: COM1–COM4

Terminal Emulation: ANSI-BBS, Dumbterm, Gossip, Host, VT52, VT100

File Transfer Protocols: ASCII, Xmodem, Relaxed Xmodem, Xmodem-1K, Xmodem CRC, Ymodem, Ymodem-G

Feature Notes

No proprietary script language

Startup Tips

1. Load Boyan and start the program.
2. Type CTRL-C to bring up the Configuration Menu.
3. Under option C, set up your serial port speed, parity and default protocol settings.
4. Under option E, set RTS/CTS flow control to YES, XON/XOFF to NO, and Autobaud Detect to NO.

NOTE: If you are using an internal modem at a port other than COM3 (IRQ4) or COM4 (IRQ3), make the correct selection at this screen.

5. Press the ESC key to return to Terminal Mode.
6. Press CTRL-Home to bring up the Help Menu.

Terminal Mode

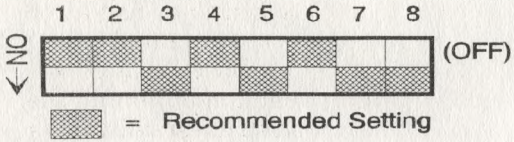
Boyan puts the computer in Terminal Mode as soon as you run the program.

CARBON COPY, VERSION 6.0

Microcom
500 River Ridge Drive
Norwood, Massachusetts 02062

Support: 617-551-1414
BBS: 617-551-1888
(using CCHELP)

DIP Switch Settings



Flow Control: RTS/CTS

PC COM Ports: COM1–COM4 and other user-definable

PS/2 COM Ports: COM1–COM8 and other user-definable

Terminal Emulation: VT100, VT52, TVI920, IBM 3101, Debug

File Transfer Protocols: Kermit Binary, Kermit Text, Xmodem, Xmodem Batch, Ymodem, Ymodem Batch

Feature Notes

Definable security levels; programmable serial ports

Startup Tips

Insert the program disk and type CCSTART. You have the option of installing three different files: CCINSTAL (the installation module), CCHELP (the Remote package) and CC (the Host package).

1. Select CCINSTAL and follow the prompts.
2. Choose a modem script (descriptor file) that includes the following commands: &B1, &H1, &R2, and &W. Unlike most programs, Carbon Copy doesn't allow you to directly command the modem with AT commands.

   Descriptor files are constantly being upgraded. If you don't see your modem on the list, call Carbon Copy Support and ask if they have an updated file.

3. Verify that the COM port displayed on the screen is the one to which your modem is connected, and that you have set the highest possible serial port rate (at least 19200).

   NOTE: Carbon Copy only uses RTS/CTS (hardware flow control).

4. Depending on whether you intend to use this PC for Host or Remote operations, select CC or CCHELP to continue installation.

   NOTE: With versions prior to 6.0, Carbon Copy had a built-in protection based on the product serial number. This prevented you from taking one purchased copy of the program, installing the Host side on one computer and the Remote side on another computer, and then establishing a connection between them. This limitation no longer exists in version 6.0.

Terminal Mode

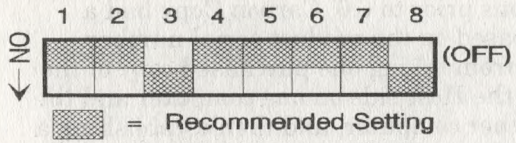
1. To put the computer in Terminal Mode, run the CCHELP program. (If CC is already loaded, you will need to type CCHELP/O to override.)
2. Press F7, Terminal Emulation.

CLOSE-UP, VERSION 3.00A

Norton-Lambert Corporation
P.O. Box 4085
Santa Barbara, California 93140

Support: 805-964-6767

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Modem Configuration String: AT&B1&H1&R2&W

PC COM Ports: COM1 and COM2

File Transfer Protocols: Proprietary

Startup Tips

Close-Up is sold as two different packages: the Support/ACS program and the Customer/Terminal program. The Support and Customer programs are intended to work together; while either program can call the other, applications always run on the Customer computer and are viewed and controlled by the Support computer. Two Customer programs can talk to each other, but two Support programs cannot.

To Set Up Support:

1. Type SUPPORT and press Enter.
2. Press ALT-S, select Setup, and press Enter.
3. Select the Modem option. Press Enter to change the setting to User Defined.
4. Change the initialization string to AT&B1&H1&R2&W. Press Enter twice.
5. Select the Baud Rate option and press Enter to change it to 19200, or the highest serial port rate your hardware allows.

6. Select the COM Port option and verify that it is the one to which your modem is connected; if not, press Enter to toggle it to another port.

7. To save these settings, press ESC. Select File and press Enter. Select Save Menu Parameters, press Enter, and then type Y.

To Set Up Customer:

1. Type CUSTOMER and press Enter.

2. Press ALT-M, select Setup, and press Enter.

3. Select the Modem option. Press Enter to change the setting to User Defined.

4. Change the initialization string to AT&B1&H1&R2&W. Press Enter twice.

5. Select the Baud Rate option and press Enter to change it to 19200, or the highest serial port rate your hardware allows.

6. Select COM Port and verify that it is the one to which your modem is connected; if not, press Enter to toggle it to another port.

7. To dial out, select the Phone option. Select the Dial item to place a call, and select the Hang Up item to disconnect.

8. To exit, press the ESC key.

Terminal Mode

1. To put the computer in Terminal Mode, run the Customer program.

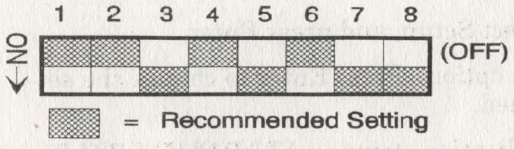
2. Press ALT-M, select Terminal, and press Enter. You the computer is now in Terminal Mode.

3. To exit, press the ESC key, and then press ALT-M.

CO/SESSION, VERSION 5.0

Triton Technologies, Incorporated Support: 908-855-9440
200 Middlesex Turnpike
Iselin, New Jersey 08830

DIP Switch Settings



Flow Control: RTS/CTS

Modem Configuration String: AT&B1&H1&R2&W

PC COM Ports: COM1–COM4

PS/2 COM Ports: COM1–COM8

Terminal Emulation: Co/Session, VT100, VT102

File Transfer Protocols: Xmodem, Proprietary

Feature Notes

Definable security levels; billing log; session recording; no Terminal Mode

Startup Tips

Co/Session is a remote access package made up of two programs, Support and Application. The Support program is installed on a PC that is intended to remotely access or control another PC or network. Application is installed on the Host PC.

The following setup instructions apply to both programs.

1. Create a directory on your hard disk and copy all the files from the floppy.
2. Type SCALLID to bring up the Phone Book Setup screen. There will be one default entry listed.
3. Press F3 to change the default entry. A screen with detail fields for the default entry appears.

4. Tab down to the COM Port section.
5. Press P repeatedly to toggle to the COM Port to which your modem is connected.
6. Press B repeatedly to toggle to the highest serial port rate your hardware permits (at least 19200).
7. Press M to select from a menu of modems. If you see your modem on this list, highlight it and press Enter.
8. If you do not see your modem, select one of the CUSTOM options and press Enter. A screen appears on which you can customize your connect options.
    - In the Initialize field, type the following string: AT&B1&H1&R2&W] (the "]" character is used by Co/Session to terminate the string).
    - Tab to the H/W Flow Control field and press Enter to toggle to YES.
    - Press F10 to accept these changes, and press F10 again to save the default entry.

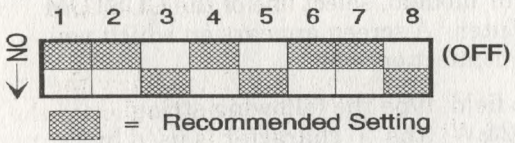
    Every new entry you add to the Phone Book will now default to these settings. Press F1 to add an entry.
9. To load the program, type either SUPPORT or APPLICA, depending on which program you are using.

CROSSTALK MK.4, VERSION 1.1

DCA
1000 Alderman Drive
Alpharetta, Georgia 30201

Support: 404-442-3210
BBS: 404-740-8428

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Modem Configuration String: AT&B1&H1&R2&W

PC COM Ports: COM1–COM4

PS/2 COM Ports: COM1 and COM2

Terminal Emulation: TTY, ANSI, AT&T Modem 513, Data General Dasher D210 & D211, VT52, VT102, VT220, TV912, TV920, TV925, TV950, IBM 3101, ADDS Viewpoint, Hazeltine Esprit II, Datapoint Datastation 3601

File Transfer Protocols: CompuServe-B, Crosstalk (proprietary), Dart (proprietary), Xmodem, Ymodem, Ymodem-G, Ymodem Batch

Feature Notes

Definable security levels; built-in text editor

Startup Tips

1. Insert the program disk and type INSTALL from the A: prompt. As part of the full installation program, you will be asked to verify your COM Port (make sure that the serial port is the one to which your modem is connected) and Port Speed (set to 19200 or as high as your hardware permits).
2. You will also be asked to choose a modem type. Selecting a USRobotics modem from the list does not start an auto-configuration process of the modem or software defaults. You will still need to enter a modem configuration string

in the phone book card you create for a call. Therefore, you can select any USRobotics modem at this time.

3. You are next prompted to load a new script (NEWCALL). To perform such operations as creating dialing entries, enabling Terminal Mode, and setting up for auto answer, you must create "cards" in the program "phone book." Select the option to "Enter information for a new card."

4. Define the parameters for the kind of entry you want to create, such as phone number to dial, port speed and script file.

5. Once the entry is created, press ALT-D to review the Device options for the card. This is where you enter the modem configuration string; make this AT&B1&H1&R2&W.

   You can also enter strings for dialing prefix/suffix and auto answer. Verify the COM port, and set the highest serial port rate your hardware supports. Select hardware flow control. You should also specify the word length, parity and stop bit format that is compatible with the system you will be calling.

6. Another option under Device, called Local, determines whether the card represents an entry to be dialed automatically (Local = OFF) or a Terminal Mode operation where you must execute a dial string (Local = ON). Create one card with Local ON so that you can put the computer in Terminal Mode.

7. Press ALT-M to display all Alt key commands.

8. Press ALT-F10 to display a menu from which you can execute a card in the phone book, or display it for editing.

9. If you want to change the configuration after the installation is complete, type CONFIG at the DOS prompt or type DO CONFIG at the command prompt in Crosstalk. To change your modem setup, select the option "Modem configuration change only."

Terminal Mode

1. To put the computer in Terminal Mode, type the following command from the Command Line: GO LOCAL.

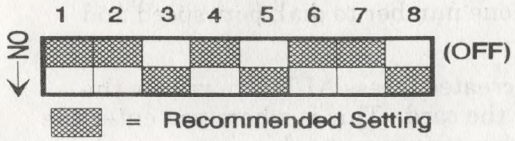
2. To exit, press the HOME key.

CROSSTALK FOR WINDOWS, VERSION 1.1 REV. C

DCA
1000 Alderman Drive
Alpharetta, Georgia 30201

Support: 404-442-3210
BBS: 404-740-8428

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

PC COM Ports: COM1–COM4

PS/2 COM Ports: COM1–COM4

Terminal Emulation: VT102, VT52, IBM 3101, PC-ANSI, Vidtex

File Transfer Protocols: ASCII, CompuServe-B, Crosstalk (proprietary), Dart (proprietary), Kermit, Xmodem, Ymodem, Zmodem

Feature Notes

Operates under Windows and uses graphical, mouse-driven interface; definable security levels

Startup Tips

1. Windows must be installed first.
2. Start the automatic installation program, follow the introduction script and run the CONFIG program.
3. Set the port speed to 19200 (highest speed under Windows).
4. Select a USRobotics modem script.

5. Select Setup, then Device. In the Flow Control field, select RTS/CTS (hardware flow control).
6. Exit the file, save the changes to NORMAL.XWP and select Replace Existing File. The program saves your configuration and exits to Windows.
7. Restart Crosstalk.

Terminal Mode

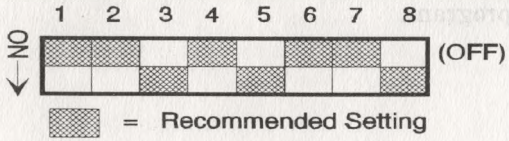
Crosstalk for Windows puts the computer in Terminal Mode as soon as you run the program.

MIRROR III, VERSION 2.0

Softklone
327 Office Plaza Drive
Tallahassee, Florida 32301

Support: 904-878-8564
BBS: 904-878-9884

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Modem Configuration String: AT&B1&H1&R2&W

PC COM Ports: COM 1–COM4

Terminal Emulation: ADDS A1, ADM 3A, ANSI, IBM 3101, IBM 3278, TI 940, TYMNET 78, VT52, VT100, VT200, WANG, WYSE50, Z-29, and others

File Transfer Protocols: ASCII/Text, CompuServe-B, Crosstalk, Hayes, Kermit (Server), Xmodem, Xmodem Batch, Xmodem-1K, Ymodem, Ymodem-G, Zmodem (DSZ)

Feature Notes

Optional menu-driven interface; definable security levels

Startup Tips

Installation:

1. Insert the program disk and type INSTALL.
2. Select Full Installation/New Installation, and then choose Selective Configuration/Dialing Directory.

   WARNING: Don't select ACT or MNP add-ins.

   As part of the installation, you are prompted to run the Setup program.

3. Select Complete Setup. Set video, colors, and COM port as desired.
4. Select Modem/Direct Connection and choose a USRobotics modem script to program the modem.
5. Select desired Printer Setup and Dialing Method, rotary (pulse) or tone.
6. Change the default port speed to F19200 or F38400, depending on what your hardware permits.
7. Change the Initialization String to AT&B1&H1&R2S27=128 | (the "|" character is used by the program to terminate the string).
8. Answer No to further changes; the program saves the changes and the script ends, returning to the DOS prompt.

Edit Script File (for default settings):

1. Start the program by typing MIRROR. The program displays the Dialing Directory. You must now edit the STD.XTK script file to make hardware flow control the default.
2. Press the ESC key, and select File, Modify, STD.XTK.
3. Press the F5 key (Find function) and type Handshake. Type U in response to the Option prompt. The cursor moves to a line containing HANDSHAKE OFF. Change this to read HANDSHAKE ON, and press the F3 key. The file is saved and the Dialing Directory reappears.
4. For this change to take effect, you must exit the program and restart it. Press the ESC key, and select Quit, Exit to DOS. The program will end and return to the DOS prompt. Restart the program by typing MIRROR.

IMPORTANT: When adding new entries to the Dialing Directory, be sure to set the speed each time to F19200 or F38400, depending on what your hardware permits.

Terminal Mode

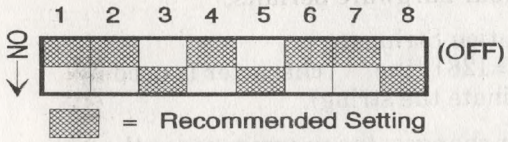
1. To put the computer in Terminal Mode, type the following command from the Command Line: GO LOCAL.
2. To exit, press the HOME key.

pcANYWHERE IV, VERSION 4.03

Dynamic Processor Associates
1776 East Jericho Turnpike
Huntington, New York 11743

Support: 516-462-6961
BBS: 516-462-6652

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Autoconfigure: Use the Courier HST setting for 2400 bps modems; select Courier V.32 for higher speed modems

Modem Configuration String: ATS27=128 (under Additional Init String)

PC COM Ports: COM1–COM4

PS/2 COM Ports: COM3 and COM4

Terminal Emulation: Ampex 230, Aterm, Zenith Z-29, about 30 more

Feature Notes

Definable security levels

Startup Tips

This package contains two operation modes, Host and Remote. The purpose of these options is to allow you to set up one PC (Host Mode) that will run applications, while another PC at a different location (Remote Mode) can dial up and monitor and control the application.

Installation of Host Mode:

1. Install and load the program. From the Main Menu, choose Hardware Configuration. Press the Insert key and assign a Configuration Name (for example, USRobotics).
2. Press the Enter key and specify the serial port to which the modem is connected.

3. Choose the appropriate USRobotics modem from the list.
4. Select the highest baud rate (serial port rate) your hardware allows.

   NOTE: This package automatically enables RTS/CTS (hardware flow control).
5. Select a default data format (data bits, parity and stop bits).
6. With high speed modems, select Additional Init String and type ATS27=128. This disables result codes that the software cannot display.
7. Press ESC to return to the Main Menu. Select Active Configuration and choose the Configuration Name you assigned in Step 1.

   NOTE: Host Mode does not contain a Terminal Mode.

Installation of Remote Mode:

1. If installed in the same directory as Host, only Terminal Mode needs further configuration. At the Main Menu, choose Terminal Mode Setup.
2. Set RTS/CTS Flow Control to YES.

File Transfer—Host:

1. From the Host side at the Main Menu, select Preferences. Set the option Allow Background File Transfer to YES.
2. Select Caller Information and press the Insert key to set Password and Terminal Type.
3. From the Main Menu, choose Begin Connection and select Exit, Allow Incoming Calls.

File Transfer—Remote:

1. From the Remote side at the Main Menu, select Preferences and set the Computer Name.
2. Under Host Information, set Host Computer Name, Password, Phone Number, and Terminal Emulation.
3. Under Connect to Host, choose Anywhere Host, then Call.

continued

4. After a connection has been established, hold down the Control key (CTRL) and press the Right Shift key (RT-SHIFT). A menu for Session Options appears, with an option for file transfer.
5. Two windows are displayed: the left for the remote computer's hard disk files, and the right for the host side. Mark the files you want to transfer and press F2.
6. If any problems occur, be certain that there are no TSRs running in the background.

Terminal Mode

1. To put the computer in Terminal Mode, run the Remote program.
2. Select Terminal, and then Direct Connect.
3. Press the ESC key. At the prompt Begin Terminal Mode, answer YES.
4. Press CTRL–RT-SHIFT to exit.

NOTE: Earlier versions (3.00) required this procedure.

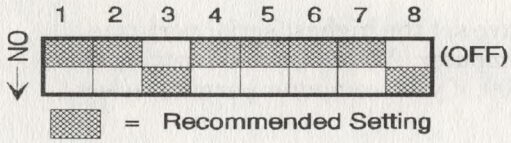
1. Run the ATERM program.
2. Press F6, Add an Entry in the Dial Directory. Fill in information on this screen, but leave the phone number blank. Save the record.
3. From the Main Menu, select the blank phone number to dial, and press F2. The computer is now in Terminal Mode.
4. Press F10 to exit.

PROCOMM PLUS, VERSION 2.01

Datastorm Technologies
P.O. Box 1471
Columbia, Missouri 65205

Support: 314-875-0530
BBS:314-875-0503
314-875-0608

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Autoconfigure: Most USRobotics modems

Modem Configuration String: AT&B1&H1&R2&W

PC COM Ports: COM1–COM8

PS/2 COM Ports: COM1–COM8

Terminal Emulation: VT family, ANSI, IBM 3101/3161/3270/950, WYSE50/75/100, TVI910-955, Various DG/Adds/Adm/Miscellaneous

File Transfer Protocols: ASCII, Raw ASCII, CompuServe-B+, Imodem, Kermit, Modem7, Sealink, Telink, Xmodem, WXModem, 1KXmodem, 1KXmodem-G, Ymodem (Batch), Ymodem-G (Batch), Zmodem, and 3 external user-defined protocols

Feature Notes

Runs under Windows/Desqview and other multitasking software; definable security levels in Host Mode

Startup Tips

The software's Quick-Start Guide covers the easy-to-follow installation program. Follow the prompts in PCINSTAL to load files and modify CONFIG.SYS and AUTOEXEC.BAT. Use the autoconfigure feature to do initial configuration for specific USRobotics modems. After you have installed the

program, you should make the following changes to assure optimal performance.

1. Before turning on the modem, set the modem's DIP switches as shown on the previous page.

2. Type PCPLUS to start the program, and press any key to put the computer in Terminal Mode. Press ALT-P to display the Current Settings window. The line at the top of the window shows you what values are currently set for the default serial port rate, parity, data bits, stop bits and serial port.

   - Be sure that you have set the highest serial port rate possible for your computer. We recommend setting the rate to at least 19200; if your computer permits, select 38400.
   - The parity, data bits and stop bits may vary for different calls that you make. For now, accept the default format of no parity, eight data bits and 1 stop bit. You can always specify different data formats later when you create entries in the Dialing Directory.
   - Verify that the COM port displayed is the one to which you have connected your modem.

   Make any necessary changes in this window and then press ALT-S to save the settings. The program will return to the Terminal screen.

3. Press ALT-S to enter the Setup Utility. Select Modem Options and then General Options. In this window, verify that "Auto Baud Detect" is OFF and that "Send Init if CD High" is NO. Then press ESC to return to the submenu.

4. Select Modem Commands. Verify that the initialization command is set to ATZ^M. Press ESC twice to return to the Main Menu.

5. Select Terminal Options. In this window, make sure the following parameters are set: Duplex=FULL, Soft Flow Ctrl=OFF, Hard Flow Ctrl=ON. Press ESC to return to the Main Menu.

6. Select Save Setup Options and press Enter to save the settings, then press ESC to return to Terminal Mode.

7. Type AT and press Enter. The modem should respond with an OK result code. Type the Modem Configuration

String specified earlier, and press Enter. The modem will return an OK result code.

8. Press ALT-X to exit the program and answer YES to Exit to DOS.

9. Type PCPLUS to restart the program, and press any key to put the computer in Terminal Mode. Type AT and press Enter. Check that the modem responds with an OK result code.

Terminal Mode/Dialing Directory

1. Procomm Plus puts the computer in Terminal Mode as soon as you run the program.

2. From Terminal Mode, press ALT-D to display the Dialing Directory.

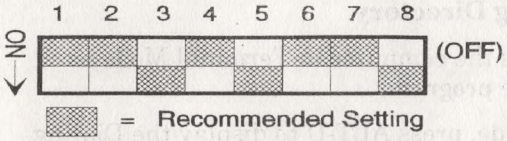
3. Type A to add an entry. Notice that when you first add an entry, the baud rate and data format default to the values you specified in the PCINSTAL program; change these now if the system you are calling requires different settings.

QMODEM, VERSION 4.2F

Mustang Software
P.O. Box 2264
Bakersfield, California 93303

Support: 805-395-0223
BBS: 805-395-0650

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Autoconfigure: Use the Courier HST setting for 2400 bps modems; select Courier V.32 or V.32 *bis* for higher speed modems

PC COM Ports: COM1–COM4

Terminal Emulation: ANSI, AVATAR, DBUG-A, DBUG-H, TTY, TV1925, VT100

File Transfer Protocols: ASCII, Xmodem, Xmodem-CRC, Xmodem Relaxed, Xmodem-1K, Xmodem-1KG, Ymodem Batch, Ymodem-1KG Batch, Zmodem Batch

Feature Notes

Definable security levels

Startup Tips

1. Type QMODEM and press ALT-N for quick modem configuration. This loads the QINSTALL program; the program then displays the Setup menu.
2. Select Modem and press Enter.
3. Select Communication Parameters and press Enter.
4. Change the default baud rate to 19200 or 38400, depending on what your hardware permits, and verify the serial port selection.

5. Press the ESC key. Select Quick Modem Config and press Enter.
6. Select Your Modem Type and press Enter. Check that your modem switch settings match the display, and then press any key.
7. The program prompts you to send the initialization commands to the modem. Type Y and press Enter.
8. Press any key twice, then select Toggles and press Enter.
9. Select RTS/CTS and press the Enter key to change the setting to ON.
10. To save your changes, press the ESC key and then select Exit. Select Save Changes and press Enter.

Terminal Mode

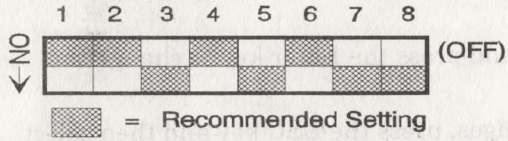
Qmodem puts the computer in Terminal Mode as soon as you run the program.

RELAY GOLD, VERSION 5.0

Microcom Software Division
55 Federal Road
Danbury, Connecticut 06810

Support: 203-798-3800

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Autoconfigure: Use the Courier HST (US) setting for 2400 bps modems; select Courier Dual Standard (US) for higher speed modems

PC COM Ports: COM1–COM4

PS/2 COM Ports: COM1–COM8

Terminal Emulation: DEC VT100, DEC VT220, DEC VT240, DEC VT52, IBM 3101 (both character and block mode), Adds 25, ANSI, Lear Siegler ADM-5/3A, Hazeltine 1410, TeleVideo 910, TTY, Tymnet/78

File Transfer Protocols: Relay, Compuserve B+, Kermit, Xmodem CRC, Xmodem Checksum, Xmodem 1K, Ymodem, Ymodem G, Ymodem Batch, Ymodem G-Batch, Zmodem, IND$FILE

Feature Notes

Extensive PC-to-mainframe support and terminal emulation; multiple sessions; background operation and unattended operation; definable security levels

Startup Tips

1. Start the automated install program, and select your modem type. Set the default port speed to 19200 or 38400, depending on your hardware. If you've already installed Relay Gold, press F4 from the Main Offline Menu and then specify your modem type.

2. To create an entry in the Dialing Directory, press F3, cursor to the entry that most closely resembles the computer you want to call, then press F3 to duplicate the entry. Type a new name for the entry and specify the telephone number or access code in the Access Number field.

3. Press the F4 key to set such options as flow control, file transfer protocol and parity. Do this for each entry.

   NOTE: Error control (ARQ) is the default for connections over 2400 bps. Insert an M before the phone number if you want error control for connections at 2400 bps or lower.

4. We recommend that you set switch 7 down (factory defaults) and let the program control the modem.

Terminal Mode

1. From the Main Menu, press F3 to call up the Dialing Directory.

2. Cursor to the MODEM entry. Press F1 to connect and issue commands directly to the modem.

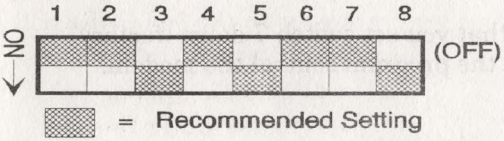
3. To exit, press the ESC key, and then ALT-F2.

TAPCIS, VERSION 5.4

Support Group, Incorporated
Lake Technology Park
McHenry, Maryland 21541

Support: 800-USA-GROUP
FAX: 301-387-7322
BBS: CompuServe Forum
(depends on the number you dial to access CompuServe)

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Autoconfigure: Most USRobotics modems

PC COM Ports: COM1–COM4

PS/2 COM Ports: COM1–COM8

Terminal Emulation: N/A

File Transfer Protocols: ASCII, CISQuickB+

Feature Notes

Automated access to CompuServe; no Terminal Mode

Startup Tips

TAPCIS is designed to cut your online time with CompuServe to a minimum. You may download a 21-day trial copy, or obtain a registered copy directly from the Support Group through their 800 number. There is no setup program; follow these steps.

1. Create a TAPCIS directory on your hard drive.
2. Copy all files to your TAPCIS directory. Type TAPCIS to start the program.
3. Type P for Parameters, then press C repeatedly to toggle through a list and select the COM port to which your modem is attached.

4. Press I to customize the modem initialization string. This is actually the dialing command, so ideally this should include ATDT along with any additional commands you need (for example, ATDT9, ATDT1, etc.).

5. You must select key settings so the program will recognize different types of result messages.

   - Type O for Online Report. Use the four-character string NECT for the program to key in on the CONNECT message.
   - Type F for Fail Report. Use the four-character string RIER for the program to key in on the NO CARRIER message.
   - The final key setting is the telephone number. TAPCIS stores up to four numbers. Enter the port speed along with the telephone number.

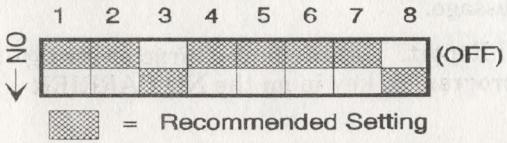
6. Complete the installation by filling in the parameters that are specific to your CompuServe access.

TELIX, VERSION 3.15

Exis, Incorporated
P.O. Box 130
West Hill, Ontario M1E 4R4

Support: 416-289-4641
BBS: 416-439-9399

DIP Switch Settings



Flow Control: RTS/CTS and XON/XOFF

Autoconfigure: Most USRobotics modems

PC COM Ports: COM1–COM4

PS/2 COM Ports: COM1–COM8

Terminal Emulation: ANSI, TTY, VT102, VT52, AVATAR, ANSI-BBS

File Transfer Protocols: ASCII, CISQuickB, Kermit, Modem7, Sealink, Telink, Xmodem, Xmodem-1K, Xmodem-G-1K, Ymodem (Batch), Ymodem-G, and Zmodem

Feature Notes

Definable security levels; multiple dialing prefixes

Startup Tips

1. Load the program and press ALT-O to bring up the Configure Telix window.
2. Under Terminal Options, verify the following.
   - The COM port to which your modem is connected.
   - Your serial port rate is set to the highest level permitted by your hardware (at least 19200 for high speed modems).
   - The data bits, parity and stop bits are set to a common format (such as 8, None, 1).
   - XON/XOFF flow control is OFF.

- CTS/RTS hardware flow control is ON.
- DSR/DTR flow control is OFF.
- The default terminal type is ANSI-BBS.

3. Return to the menu, and select Modem and Dialing. Verify that Auto Baud Detect is OFF. This is also the screen where you would set up alternate dialing prefixes, to customize your calls for different target systems.

Terminal Mode

Telix puts the computer in Terminal Mode as soon as you run the program.

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